

### Abstract

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The present invention relates to a method for frequency calibration of a testing apparatus for testing or mobile terminals, such as mobile or cellular telephones, provided for operation in a mobile communication net. In order to realize a highly accurate calibration the invention suggests that the testing apparatus passively listens to an established communication based on a data communication between the mobile terminal and the mobile telecommunication net, wherein the information signals underlying the communication are at least partially sampled and evaluated by the testing device and wherein based on this evaluation a reference frequency unit incorporated in the testing device is calibrated. Preferably, the bursts of the mobile terminal establishing the data communication are analyzed by the testing apparatus as the information signals.

15 (Fig. 1)